PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE-

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

ppropriate All further	correspondence including ed below or directed other	ng the Patent, advance of the increase of the patent, advance of the increase in Block 1, by (a	rders and notification	of m	naintenance fees w	≀ill be n	nailed to the current	correspo	ndence address as
CURRENT CORRESPOND	ENCE ADDRESS (Note: Use B	ock I for any change of address)		Fcc(s) Transmittal. Thi	is certifi I paper,	can only be used for cate cannot be used for such as an assignmenting or transmission.	r domest or any ot nt or forr	ic mailings of the her accompanying nal drawing, must
600 13TH STRE	T WILL & EMER	Y LLP OCT	0 2 2008	I her State addr trans	chy certify that the	is Fee(s'	of Mailing or Trans) Transmittal is being icient postage for firs SSUE FEE address) 273-2885, on the d	denosite	ed with the United ail in an envelope or being facsimile tied below.
Customer No	.: 53080	PATE.	- F						(Depositor's name)
•		GRA	DEMAN						(Signature)
	-			L				<u> </u>	(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTOR	NEY DOCKET NO.	CONFI	RMATION NO.
10/532,993	09/30/2005		Michihito Ueda				061352-0100		3028
	N: PROBABILISTIC INCE ARITHMETIC UN	PULSE GENERATOR A IT USING THIS	AND DIFFERENTIA	LA	BSOLUTE VALU	UE CO	MPUTING ELEME	NT AND)
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUI	E FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1440 1 310 -	\$300		\$0		21740/8/0	-	11/07/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS						
GOODLEY	, JAMES E	2817	331-078000		'				•
. Change of correspond CFR 1.363).	ence address or indication	n of "Fee Address" (37	2. For printing on t	•			, McDERM	OTT W	VILL &
	oondence address (or Cha B/122) attached.	inge of Correspondence	(1) the names of u or agents OR, alter (2) the name of a s	nativ	cly,		cys '	EMERY	
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.	lication (or "Fee Address 02 or more recent) attacl	" Indication form and. Use of a Customer	registered attorney 2 registered patent listed, no name wil	or a	gent) and the nam- meys or agents. If	cs of up	to		
		A TO BE PRINTED ON						,	
PLEASE NOTE: Un recordation as set fort	less an assignee is ident th in 37 CFR 3.11. Com	ified below, no assignee pletion of this form is NO	data will appear on the T a substitute for filing	he pa g an a	atent. If an assign	ee is ide	entified below, the d	ocument	has been filed for
(A) NAME OF ASSI			(B) RESIDENCE: (C						
PANASONIC	CORPORATION		Osaka	JA:	PAN				
lease check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🛎 Co	orporatio	on or other private gro	oup entity	Government
a. The following fec(s) Issue Fee		•	b. Payment of Fec(s): (A check is enclosed by the second	cd.				shown at	pove)
Advance Order -	No small entity discount # of Copies Fou	r (4)	Payment by credi				equired fec(s), any de (enclose a	ficiency, n extra co	or credit any opy of this form).
a. Applicant claim	itus (from status indicate as SMALL ENTITY stat	us. See 37 CFR 1.27.	☐ b. Applicant is no						
NOTE: The Issue Fee an	nd Publication Fee (if records of the United Se	uired) will not be accepte tier Patent and Trademark	d from anyone other the Office.	ıan tl	he applicant; a regi	stered a	ttorney or agent; or th	ne assigno	e or other party in
Authorized Signature				• =	Date 10/03/2				10532993
Typed or printed nam	Michael E	Fogarty			Registration N	501 1984	3510,000 DA 35531 69 DA		
This collection of inform	nation is required by 3/1/0	CER 1.311. The information	on is required to obtain	orr	ctain a benefit by t	he publi		by the l	JSPTO to process)

Inis collection of information is required by 3// CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE . EE

Mail Stop ISSUE LEE Commissioner for Patents P.O. Box 1450

Alexandria, Virginia 22313-1450 or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

dicated diffess construction of an enterior and an enterior an	
aintenance fee notifications.	·
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block I for any change of address)	Note: A certificate of mailing can only be used for domestic mailing
CURRENT CORRESPONDENCE ADDRESS (Note: Osc block 1 for any change of address)	Foo(s) Transmitted This cartificate cannot be used for any other accom

53080

7590

08/07/2008

MCDERMOTT WILL & EMERY LLP 600 13TH STREET, NW WASHINGTON, DC 20005-3096

Customer No.: 53080



Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)	
(Signature)	
· (Date)	

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/532 993	09/30/2005	Michihito Ueda	061352-0100	3028	

TITLE OF INVENTION: PROBABILISTIC PULSE GENERATOR AND DIFFERENTIAL ABSOLUTE VALUE COMPUTING ELEMENT AND MANHATTAN DISTANCE ARITHMETIC UNIT USING THIS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1440 1310-	\$300	\$0	\$1740/8/0-	11/07/2008	
EXAMINER ART UNIT GOODLEY, JAMES E 2817		ART UNIT	CLASS-SUBCLASS				
		2817	331-078000				
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 			(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to				
PLEASE NOTE: Un recordation as set for (A) NAME OF ASS	nless an assignee is ident rth in 37 CFR 3.11. Com		THE PATENT (print or type data will appear on the part of the part	atent. If an assignee is in assignment. and STATE OR COUNT		ument has been filed fo	
Please check the approp		r categories (will not be pr	rinted on the patent):	Individual Corporat			
Issue Fee Publication Fee (No small entity discount # # of CopiesFou	permitted)	A check is enclosed. Payment by credit car	d. Form PTO-2038 is atta authorized to charge the sit Account Number	ached.		
a. Applicant clair	atus (from status indicate ms SMALL ENTITY stat	us. See 37 CFR 1.27.		ger claiming SMALL EN			
NOTE: The Issue Fee a interest as shown by the	nd Publication Fee (if received see records of the United See	uired) will not be accepte the Patont and Trademark	d from anyone other than to Office.	he applicant; a registered	attorney or agent; or the	assignee or other party in	
Authorized Signatur		4	,		ctober 2, 200		
Typed or printed nar	_{mc} Michael E	Fogarty		Registration No.	36,139		

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.